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(71) Applicant (for all designated States except US): **KONINKLIJKE PHILIPS ELECTRONICS, N.V. [NL/NL]**; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **LEUSSLER, Christoph, G. [DE/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL). FINDEKLEE, Christian [DE/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).**

**MORICH, Michael, A. [US/US]; 595 Miner Road, Cleveland, OH 44143 (US). ZHAI, Zhiyong [CN/US]; 595 Miner Road, Cleveland, OH 44143 (US). DEMEESTER, Gordon, D. [US/US]; 595 Miner Road, Cleveland, OH 44143 (US).**

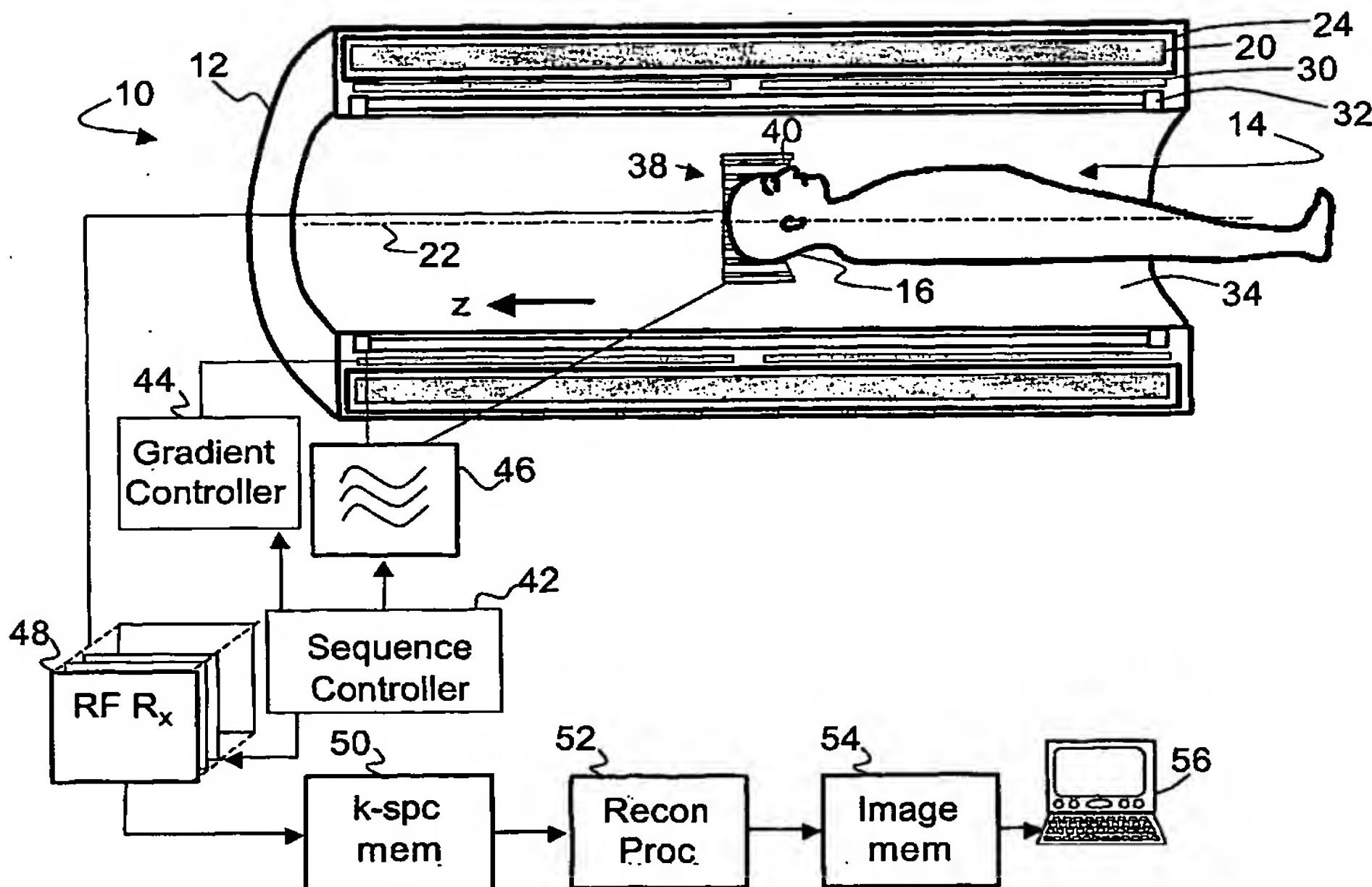
(74) Common Representative: **KONINKLIJKE PHILIPS ELECTRONICS, N.V.; c/o LUNDIN, Thomas, M., 595 Miner Road, Cleveland, OH 44143 (US).**

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(54) Title: RF COIL SYSTEM FOR SUPER HIGH FIELD (SHF) MRI



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(57) Abstract: A radio frequency coil system (38) for magnetic resonance imaging includes a plurality of parallel spaced apart rungs (60) which each includes rung capacitors (68). An end cap (64) is disposed at a closed end (66) of the coil system (38). An RF shield (62) is connected to the end cap (64) and surrounds the rungs (60), extending in a direction substantially parallel to rungs (60). The RF coil system (38) may be used as birdcage, TEM, hybrid, combination birdcage and TEM, or other.



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